

ANNUAL INDEX

- Ammari, Habib, Pierre Garapon, Hyeonbae Kang, and Hyundae Lee. *A method of biological tissues elasticity reconstruction using magnetic resonance elastography measurements*, 139
- Aregba-Driollet, Denise, Gabriella Bretti, and Roberto Natalini. *Numerical schemes for the Barenblatt model of non-equilibrium two-phase flow in porous media*, 201
- Balseiro, Paula, and Jorge E. Solomin. *Orthogonal projections and the dynamics of constrained mechanical systems*, 437
- Banks, H. T., A. F. Karr, H. K. Nguyen, and J. R. Samuels, Jr. *Sensitivity to noise variance in a social network dynamics model*, 233
- Bhat, H. S., and R. C. Fetecau. *Stability of fronts for a regularization of the Burgers equation*, 473
- Birnir, Björn. *Turbulent rivers*, 655
- Blokhin, A. M. *Strong discontinuities for the 2-D MEP hydrodynamical model of charge transport in semiconductors*, 359
- Bretti, Gabriella. *See* Aregba-Driollet, Denise
- Chalons, Christophe, Pierre-Arnaud Raviart, and Nicolas Seguin. *The interface coupling of the gas dynamics equations*, 659
- Chattopadhyay, Somesh, Daniel M. Keenan, and Johannes D. Veldhuis. *Probabilistic recovery of neuroendocrine pulsatile, secretory and kinetic structure: An alternating discrete and continuous scheme*, 401
- Chelmiński, Krzysztof, and Patrizio Nefi. *A note on approximation of Prandtl-Reuss plasticity through Cosserat plasticity*, 351
- Choquet, Catherine. *Transport of heat and mass in a fluid with vanishing mobility*, 771
- Ditkowski, Adi, and Michael Sever. *On the intersection of sets of incoming and outgoing waves*, 1
- Duits, Remco, and Markus van Almsick. *The explicit solutions of linear left-invariant second order stochastic evolution equations on the 2D Euclidean motion group*, 27
- Dupuis, Paul. *Introduction to the Brown University workshop papers*, 497
- Ewald, Brian D., and Roger Témam. *Some remarks on the numerical approximation of stochastic differential equations*, 595
- Fetecau, R. C. *See* Bhat, H. S.
- Fonseca, Irene, Gilles Francfort, and Giovanni Leoni. *Erratum to "Thin elastic films: The impact of higher order perturbations"*, 781
- Francfort, Gilles. *See* Fonseca, Irene
- Frémond, Michel, and Elisabetta Rocca. *Solid-liquid phase changes with different densities*, 609
- Garapon, Pierre. *See* Ammari, Habib
- Grasselli, Maurizio, Hao Wu, and Songmu Zheng. *Asymptotic behavior of a nonisothermal Ginzburg-Landau model*, 743
- Guo, Cheng-En. *See* Wu, Ying Nian
- Hwang, Hyung Ju. *Variational approach to nonlinear gravity-driven instabilities in a MHD setting*, 303
- Jin, Chunhua. *See* Ke, Yuanyuan
- Kang, Hyeonbae. *See* Ammari, Habib
- Karr, A. F. *See* Banks, H. T.
- Ke, Yuanyuan, Jingxue Yin, and Chunhua Jin. *An evolutionary weighted p-Laplacian with Neumann boundary value condition in a perforated domain*, 325
- Keenan, Daniel M. *See* Chattopadhyay, Somesh
- Keller, Joseph B. *Instability intervals and growth rates for Hill's equation*, 191
- Khludnev, Alexander, and Atusi Tani. *Overlapping domain problems in the crack theory with possible contact between crack faces*, 423
- Kotelenez, Peter M. *Itô and Stratonovich stochastic partial differential equations: Transition from microscopic to macroscopic equations*, 539
- Krutitskii, P. A. *On existence of a classical solution and non-existence of a weak solution to the Dirichlet problem in a planar domain with slits for Laplacian*, 177
- Lee, Hyundae. *See* Ammari, Habib
- Leoni, Giovanni. *See* Fonseca, Irene
- Lototsky, S. V., and K. Stemmann. *Solving SPDEs driven by colored noise: A chaos approach*, 499
- Malek-Madani, Reza. *See* McCoy, Peter A.
- McCoy, Peter A., and Reza Malek-Madani. *An analysis of the paraxial wave equation*, 69
- Miranker, Willard L. *The neural network as a renormalizer of information*, 379

ANNUAL INDEX

- Natalini, Roberto. *See* Aregba-Driollet, Denise
- Nedeljkov, Marko. *Singular shock waves in interactions*, 281
- Neff, Patrizio. *See* Chelmiński, Krzysztof
- Nguyen, H. K. *See* Banks, H. T.
- Norris, Andrew N. *Higher derivatives and the inverse derivative of a tensor-valued function of a tensor*, 725
- Øksendal, Bernt. *Stochastic partial differential equations driven by multi-parameter white noise of Lévy processes*, 521
- Racke, Reinhard, and Ya-Guang Wang. *Asymptotic behavior of discontinuous solutions in 3-D thermoelasticity with second sound*, 707
- Raviart, Pierre-Arnaud. *See* Chalons, Christophe
- Rocca, Elisabetta. *See* Frémond, Michel
- Samuels, J. R., Jr. *See* Banks, H. T.
- Schröder, Michael. *On constructive complex analysis in finance: Explicit formulas for Asian options*, 633
- Seguin, Nicolas. *See* Chalons, Christophe
- Sever, Michael. *See* Ditkowski, Adi
- Shah, Jayant. *H^0 -type Riemannian metrics on the space of planar curves*, 123
- Solomin, Jorge E. *See* Balseiro, Paula
- Stemann, K. *See* Lototsky, S. V.
- Tani, Atusi. *See* Khludnev, Alexander
- Témam, Roger. *See* Ewald, Brian D.
- Turkylmazoglu, M. *Influence of suction/blowing on the finite amplitude disturbances having non-stationary modes of a compressible boundary layer flow*, 447
- van Almsick, Markus. *See* Duits, Remco
- Veldhuis, Johannes D. *See* Chattopadhyay, Somesh
- Wang, Ya-Guang. *See* Racke, Reinhard
- Wu, Hao. *See* Grasselli, Maurizio
- Wu, Ying Nian, Cheng-En Guo, and Song-Chun Zhu. *From information scaling of natural images to regimes of statistical models*, 81
- Xu, Xiaojing, and Hongjun Yuan. *Existence of the unique strong solution for a class of non-Newtonian fluids with vacuum*, 249
- Yin, Jingxue. *See* Ke, Yuanyuan
- Yuan, Hongjun. *See* Xu, Xiaojing
- Zheng, Songmu. *See* Grasselli, Maurizio
- Zhu, Song-Chun. *See* Wu, Ying Nian

